

TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claims 1-39. (canceled)

40. (new) A method of adapting a configurable Satellite Positioning System (SATPS) receiver for use in at least one of a plurality of particular SATPS receiver applications, the method comprising:

providing a plurality of input paths to the configurable SATPS receiver responsive to a plurality of possible radio frequency (RF) inputs;

providing a plurality of possible types of SATPS outputs from the configurable SATPS receiver;

determining the at least one particular SATPS receiver application from the plurality of particular SATPS receiver applications based on the plurality of possible RF inputs; and

selecting at least one SATPS output from the plurality of possible SATPS outputs responsive to the determination of the at least one particular SATPS receiver application.

41. (new) The method of claim 40, wherein the step of determining the at least one particular SATPS receiver application further includes the step of generating a plurality of intermediate frequency (IF) type of SATPS outputs based on the plurality of possible RF inputs.

42. (new) The method of claim 41, wherein the at least one selected SATPS output is selected from the plurality of possible types of SATPS outputs by a baseband unit responsive to selected ones of the plurality of the IF type of SATPS outputs.

43. (new) The method of claim 42, further including the steps of:  
providing input paths to the baseband unit for inputs other than the plurality of possible RF inputs; and

selecting the at least one of the plurality of possible types of SATPS outputs from the plurality of possible types of SATPS outputs based in whole or in part on the inputs other than the RF inputs.

44. (new) The method of claim 43, wherein the inputs other than the RF inputs include a plurality of assistance data-type inputs.

45. (new) The method of claim 44, wherein the assistance data-type inputs are selected from at least one of a group consisting of: a coarse position input, a navigation data input, a Doppler input, a time input, a frequency reference input, a universal time code (UTC) correction input, an ionospheric correction input, an ephemeris input, an almanac input, and a satellite ID input.

46. (new) The method of claim 45, further including the steps of:

extracting Global Positioning System (GPS) data from the selected ones of the plurality of the IF type of SATPS outputs; and  
generating an output relating to the position of the configurable SATPS receiver.

47. (new) The method of claim 40, wherein the plurality of possible RF inputs are selected from at least one of a group consisting of: a frequency reference input, an automatic gain control input, a blanking input, and a jammer-to-noise (J/N) switch.

48. (new) The method of claim 41, wherein the IF types of SATPS outputs are selected from at least one of a group consisting of: an in-phase (I) output, a quadrature-phase (Q) output, an  $I^2 + Q^2$  output, an oscillator output, an Intermediate Frequency (IF) output, an automatic gain control output, and other signal quality indicators.

49. (new) The method of claim 42, wherein the selected ones of the plurality of the IF type of SATPS outputs are fed directly into the baseband unit for processing.

50. (new) The method of claim 42, wherein the selected ones of the plurality of the IF type of SATPS outputs are sent directly to a remote location.

51. (new) The method of claim 42, wherein the selected ones of the plurality of the IF type of SATPS outputs are directly utilized for parallel processing by a remote location and the baseband unit.

52. (new) The method of claim 40, wherein the plurality of possible types of SATPS outputs includes a plurality of programmable outputs that can be enabled based on the at least one particular SATPS receiver application.

53. (new) The method of claim 52, wherein the at least one particular SATPS receiver application is determined based on current operating environment and/or user preferences.

54. (new) The method of claim 40, wherein the plurality of possible types of SATPS outputs are selected from at least one of a group consisting of: a Doppler output, a pre-processed information (IF) output, a delta pseudorange output, an integrated carrier phase output, a pseudorange output, a time output, a velocity output, and a position output.

55. (new) The method of claim 40, wherein the plurality of RF input paths includes at least one antenna adapted to receive RF signals inputs and supply the RF signals as RF inputs to an RF unit.

56. (new) The method of claim 55, wherein the at least one antenna is a first antenna adapted to selectively receive other RF signals based on the at least one particular SATPS receiver application.

57. (new) The method of claim 56, wherein the plurality of RF input paths further includes a second antenna adapted to selectively receive the other RF signals inputs based on the at least one particular SATPS receiver application.

58. (new) The method of claim 57, wherein other RF signals are selected from at least one of a group consisting of: cellular system signals, local area network signals, Bluetooth signals, SMS signals, Wide Area Augmentation System (WAAS) signals, and beacon signals.

59. (new) The method of claim 40, wherein the particular SATPS receiver applications include at least one of a cellular telephone operating environment, an automobile operating environment, and a Personal Data Assistant (PDA) operating environment.